

State of Colorado  
Oil and Gas Conservation Commission

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FOR OGCC USE ONLY

## BRADENHEAD TEST REPORT

Step 1. Record all tubing and casing pressures as found.  
Step 2. Sample now, if intermediate or surface casing pressure >25 psi. In sensitive areas, 1 psi.  
Step 3. Conduct Bradenhead test.  
Step 4. Conduct intermediate casing test.  
Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously submitted or if wellbore configuration has changed since prior program. Attach gas and liquid analyses if sampled.

1. OGCC Operator Number: 10084		11. Date of Test: 10-5-15	
2. Name of Operator: Pioneer Natural Resources USA INC		12. Well Status: <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Shut In	
3. BLM Lease No:		<input type="checkbox"/> Gas Lift <input type="checkbox"/> Pumping <input type="checkbox"/> Injection	
4. API Number: 05-071-09077-0000 Multiple completion? <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Clock/Intermittent <input type="checkbox"/> Plunger Lift	
5. Well Name: Patient Number: 42-31		13. Number of Casing Strings: <input checked="" type="checkbox"/> Two <input type="checkbox"/> Three <input type="checkbox"/> Liner?	
6. Location (Ctr/Dir, Sec, Twp, Rng, Meridian): SENE 31 335 65W		14. STEP 1: EXISTING PRESSURES	
7. County: Las Animas Field Name: Purgatoire River		15. STEP 2: See instructions above	
8. Minerals: <input checked="" type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Indian			
14. STEP 1: EXISTING PRESSURES			
Record all pressures as found	Tubing: Fm. 1	Tubing: Fm. 3	Surface Casing: $\emptyset$

16. STEP 3: BRADENHEAD TEST					
Buried valve? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Confirmed open? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whimper; S = Surge; G = Gas					
BRADENHEAD SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid					
Character of Bradenhead fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black <input type="checkbox"/> Other (describe):					
Sample cylinder number:					
Note instantaneous Bradenhead PSIG at end of test: >					
Elapsed Time (Min Sec)	Fm. Tubing	Fm. Tubing	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow
00	1		3		$\emptyset$
05					
10					
15					
20					
25					
30					

17. STEP 4: INTERMEDIATE CASING TEST					
Buried valve? <input type="checkbox"/> Yes <input type="checkbox"/> No Confirmed open? <input type="checkbox"/> Yes <input type="checkbox"/> No					
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whimper; S = Surge; G = Gas					
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid					
Character of intermediate fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black <input type="checkbox"/> Other (describe):					
Sample cylinder number:					
Note instantaneous Intermediate Casing PSIG at end of test: >					
Elapsed Time (Min Sec)	Fm. Tubing	Fm. Tubing	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
00					
05					
10					
15					
20					
25					
30					

18. Comments: No pressure in braden head

## 19. STEP 5: See instructions above

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete

Test Performed by: Brian Morgan Title: Phone: 719-859-0514

Signed: Brian Morgan Title: Date: 10-5-15

WITNESSED BY: Title: Agency: